

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001736**Date Inspected:** 03-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Don Watson**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** OBG Components**Bid Item:****Lot No:** B 278**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) S. Manjunath. Math was present during the times noted above for observations relative to the work being performed.

Inspection for Surface Preparation and/or Coating Application.

OBG Internal Ceiling Surface Preparation Inspection Request No. 2606

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Ceiling from the weld seam to Panel Point (PP) 60 for Segment 7EW at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1 for Surface Preparation.

Inspection Conclusions: Rejected by ABF QA's as Grinding, Magnetic Particle Tested (MT), Weld Repair to be re-blasted and masked off and Caltrans QA concurred with the ABF QA's Inspection.

Bike Path External and Internal Surface Inspection Request No. 2607

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Bike Path (BK001-016, BK001-019, BK001-020 and BK001-021) External and Internal Surface Inspection for Degreasing and Cleaning at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at West Gate of Blasting shop.

Inspection Conclusions: Accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

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### OBG Internal Ceiling Inspection Request No. 2608

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Ceiling from the weld seam to PP 60 for Segment 7EW for Surface Preparation at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1.

Inspection Conclusions: Rejected by recommending minor re-blast by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection. Three location profile check performed 69 to 72 microns.

### OBG Internal Ceiling Inspection Request No. 2609

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Ceiling from the weld seam to PP 60 for Segment 7EW for Surface Preparation at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1.

Inspection Conclusions: Accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

### OBG Internal Ceiling Inspection Request No. 2611

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Diaphragm weld seam for Segment Lift 5 West for Surface Preparation and Residual Chloride Test for the following locations.

OBG Internal Diaphragm weld seam re-blasting after UT – Lift 5 West at PP 31.

OBG Internal Diaphragm primer mud crack areas re-blasting – Lift 5 West at PP 29 and PP 36.

OBG Entire connection weld seam external surface between 5AW to 5BW.

OBG External Suspender Bracket(SB faying surface and mud crack areas re-blasting – Lift 5 West.

at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at OBG Assembly yard.

Inspection Conclusions: Accepted all areas by ABF QA's except east side of the OBG Internal Diaphragm primer mud crack areas re-blasting at PP 36, Salt test conducted and recorded as 30 microns, 4 locations profile test performed 68 to 80 microns and Caltrans QA concurred with the ABF QA's Inspection.

### Counter weight, Splice, Bike Path and Shim Plate Inspection Request No. 2612

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Counter weight external and internal surface, Splice re-blasting, Bike Path accessories and Shim Plates for Surface Preparation at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 2.

Inspection Conclusions: Accepted after minor grinding, re-blasting and blow off, 1 location salt test conducted and

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recorded at 10 microns/cm and profile 79 to 82 microns by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Math,Manjunath
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Quality Assurance Inspector
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<b>Reviewed By:</b>	Miller,Mark
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QA Reviewer
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